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LOGINID: SSPTAMPC1626

#### PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \* \* \* SESSION RESUMED IN FILE 'CAPLUS' AT 07:17:51 ON 19 JAN 2010 FILE 'CAPLUS' ENTERED AT 07:17:51 ON 19 JAN 2010 COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 117.20	TOTAL SESSION 417.69
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  CA SUBSCRIBER PRICE	SINCE FILE ENTRY -17.00	TOTAL SESSION -17.00
=> file reg COST IN U.S. DOLLARS FULL ESTIMATED COST	SINCE FILE ENTRY 117.20	TOTAL SESSION 417.69
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  CA SUBSCRIBER PRICE	SINCE FILE ENTRY -17.00	TOTAL SESSION -17.00

FILE 'REGISTRY' ENTERED AT 07:17:59 ON 19 JAN 2010 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the  ${\tt ZIC/VINITI}$  data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JAN 2010 HIGHEST RN 1202470-25-4
DICTIONARY FILE UPDATES: 18 JAN 2010 HIGHEST RN 1202470-25-4

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d his

(FILE 'HOME' ENTERED AT 06:35:56 ON 19 JAN 2010)

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L4
L5
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               E US20070185100/PN
L6
              1 S E3
                SEL RN
     FILE 'REGISTRY' ENTERED AT 06:39:03 ON 19 JAN 2010
L7
           146 S E1-E146
            13 S L7 AND 16.136.1/RID
L8
L9
                STRUCTURE UPLOADED
L10
             39 S L9 SSS SAM SUB=L1
L11
          53735 S L9 SSS FULL SUB=L1
L12
                STRUCTURE UPLOADED
L13
              3 S L12 SSS SAM SUB=L11
L14
            478 S L12 SSS FULL SUB=L11
L15
            472 S L14 AND CAPLUS/LC
              6 S L14 NOT L15
L16
     FILE 'CAPLUS' ENTERED AT 06:55:13 ON 19 JAN 2010
L17
             20 S L15
     FILE 'REGISTRY' ENTERED AT 07:17:59 ON 19 JAN 2010
Uploading C:\Program Files\STNEXP\Queries\10588754_01192010_7.str
ring nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
3 - 7
ring bonds :
1-2 \quad 1-5 \quad 2-3 \quad 3-4 \quad 4-5 \quad 6-10 \quad 6-7 \quad 7-8 \quad 8-9 \quad 9-10
exact/norm bonds :
1-2 1-5 2-3 3-4 3-7 4-5 6-10 6-7 7-8 8-9 9-10
Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
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FILE 'REGISTRY' ENTERED AT 06:36:21 ON 19 JAN 2010

STRUCTURE UPLOADED

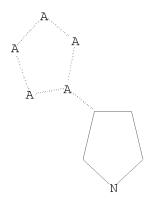
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2502089 S 16.136.1/RID

L18 STRUCTURE UPLOADED

T.1

L2 L3 => d L18 HAS NO ANSWERS L18 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 118 sss sub=11 sam SAMPLE SUBSET SEARCH INITIATED 07:18:22 FILE 'REGISTRY' SAMPLE SUBSET SCREEN SEARCH COMPLETED - 58114 TO ITERATE

3.4% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

39 ANSWERS

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE \*\*COMPLETE\*\*
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 1147890 TO 1176670
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 20645 TO 24683

L19 39 SEA SUB=L1 SSS SAM L18

=> s 118 sss sub=11 full FULL SUBSET SEARCH INITIATED 07:18:27 FILE 'REGISTRY' FULL SUBSET SCREEN SEARCH COMPLETED - 1167749 TO ITERATE

94.4% PROCESSED 1102148 ITERATIONS

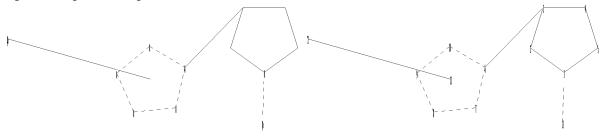
75517 ANSWERS

100.0% PROCESSED 1167749 ITERATIONS 75785 ANSWERS SEARCH TIME: 00.00.23

L20 75785 SEA SUB=L1 SSS FUL L18

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Uploading C:\Program Files\STNEXP\Queries\10588754\_01192010\_8.str



chain nodes :

11 12

ring nodes :

1 2 3 4 5 6 7 8 9 10

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ring bonds :

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exact/norm bonds :

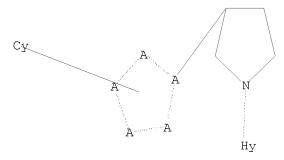
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Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS

#### L21 STRUCTURE UPLOADED

=> d L21 HAS NO ANSWERS L21 STR



Structure attributes must be viewed using STN Express query preparation.

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53.4% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE \*\*COMPLETE\*\*
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 71210 TO 78550
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 354 TO 1068

19 ANSWERS

L22 19 SEA SUB=L20 SSS SAM L21

=> s 121 sss sub=120 full FULL SUBSET SEARCH INITIATED 07:19:32 FILE 'REGISTRY' FULL SUBSET SCREEN SEARCH COMPLETED - 75611 TO ITERATE

100.0% PROCESSED 75611 ITERATIONS 318 ANSWERS SEARCH TIME: 00.00.06

L23 318 SEA SUB=L20 SSS FUL L21

=> file caplus

SINCE FILE 1011.
FNTRY SESSION 755 71 COST IN U.S. DOLLARS

FULL ESTIMATED COST 238.02 655.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL SESSION ENTRY CA SUBSCRIBER PRICE 0.00 -17.00

FILE 'CAPLUS' ENTERED AT 07:19:44 ON 19 JAN 2010 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 19 Jan 2010 VOL 152 ISS 4FILE LAST UPDATED: 18 Jan 2010 (20100118/ED) REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 123/USES

16 L23

7926996 USES/RL

9 L23/USES

(L23 (L) USES/RL)

=> d 124 ibib gi abs hitstr 1-9

L24 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

2008:1533190 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 150:77691

Preparation of triazole derivatives for treating TITLE:

Alzheimer's disease and related conditions

Fischer, Christian; Munoz, Ben; Zultanski, Susan; INVENTOR(S):

Methot, Joey; Zhou, Hua; Brown, W. Colby

PATENT ASSIGNEE(S): Merck & Co., Inc., USA SOURCE: PCT Int. Appl., 130pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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PATENT NO.
                                     APPLICATION NO. DATE
                      KIND DATE
    WO 2008156580 A1 20081224 WO 2008-US7205 20080609
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            CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,
            FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,
            KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
            ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
            PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
            TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
        RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
            IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
            TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
            TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
            AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:
                                         US 2007-934515P
                                                           P 20070613
                      CASREACT 150:77691; MARPAT 150:77691
OTHER SOURCE(S):
GΙ
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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

GΙ

- \* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY AVAILABLE VIA OFFLINE PRINT \*
- AB The title compds. I [W = imidazole, triazole or pyrazole; R11, R12 = H, alkyl, CF3; Y1, Y2 = N or CR2 (provided that Y1 and Y2 do not both represent N); R2 = H, halo, CN, etc.; R3, R4 = H, alkyl, F, etc.; or CR3R4 = C(0) or carbocycle of 3-6 atoms; m = 0-6; or (CR3R4)m = II, III or IV; X = H, R5, SR5, etc.; R5 = alkyl, phenylalkyl, cycloalkyl, etc.] which selectively attenuate production of A $\beta$ (1-42) and hence find use in treatment or prevention of diseases associated with deposition of A $\beta$  in the brain, in particular Alzheimer's disease, were prepared Thus, reacting 1-(4-ethynyl-2-methoxyphenyl)-4-methyl-1H-imidazole with the corresponding azide afforded the triazole V which showed IC50 of 616 nM when tested for inhibition of A $\beta$ 42 production Pharmaceutical composition comprising the compound I is disclosed.
- IT 1093976-66-9P
  - RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
    - (drug candidate; preparation of triazole derivs. for treating Alzheimer's disease and related conditions)
- RN 1093976-66-9 CAPLUS
- CN Benzoxazole, 2-[3-[4-[3-methoxy-4-(4-methyl-1H-imidazol-1-yl)phenyl]-1H-1,2,3-triazol-1-yl]-1-pyrrolidinyl]- (CA INDEX NAME)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD

(1 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:1424812 CAPLUS

DOCUMENT NUMBER: 149:570746

TITLE: Pharmaceutical compositions containing pyrazole

compounds having CB1 receptor antagonistic effects

INVENTOR(S): Moritani, Yasunori; Imashiro, Norio; Sato, Atsushi

PATENT ASSIGNEE(S): Tanabe Seiyaku Co., Ltd., Japan SOURCE: Jpn. Kokai Tokkyo Koho, 133pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008285481	A	20081127	JP 2008-108646	20080418
PRIORITY APPLN. INFO.:			JP 2007-111339 A	20070420
OTHER SOURCE(S):	MARPAT	149:570746		

$$\begin{array}{c|c}
 & OR^3 \\
 & \downarrow \\
 & R^1 \\
 & N-N \\
 & R^2
\end{array}$$

GI

$$\begin{array}{c|c}
 & OR^3 \\
 & & E \\
 & N-N \\
 & R^2 & I
\end{array}$$

AB The invention provides a pharmaceutical composition containing a pyrazole compound

represented by a general formula I (R1, R2 = (un)substituted aryl, heteroaryl; R3 = H, halogen, cyano, (un)substituted aminosulfonyl, (un)substituted unsatd. heteroring, etc.; R3 and R1 may join together with the adjacent O and a pyrazole ring to form a (un)substituted heterotricyclyl ring; E = substituted 5-membered heterocyclyl containing 3 heteroatoms selected from N or O atoms, etc.), or its pharmaceutically acceptable salt as an active component. The pyrazole compound shows cannabinoid receptor 1 (CB1 receptor) antagonistic effect, and the composition is suitable for use for treatment and/or prevention of mental disorder, cognitive disorder, dementia, obesity, digestive tract disorder, hypertension, hepatic cirrhosis, substance dependency, etc. For example, 1-(2-chlorophenyl)-5-(4-chlorophenyl)-4-methoxy-3-[1-(1,1-dioxothiomorpholino)acetyl]-1H-pyrazole was prepared, and examined for its antagonistic effect on human CB1 receptor in vitro (IC50 10-100 nM).

IT 935258-60-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(pharmaceutical compns. containing pyrazole compds. having CB1 receptor antagonistic effects)

RN 935258-60-9 CAPLUS

CN Pyrimidine, 2-[3-[5-[1-(2-chlorophenyl)-5-(4-chlorophenyl)-4-methoxy-1H-pyrazol-3-yl]-1H-1,2,4-triazol-3-yl]-1-pyrrolidinyl]-4-(trifluoromethyl)-(CA INDEX NAME)

L24 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:463875 CAPLUS

DOCUMENT NUMBER: 146:462252

TITLE: Preparation of pyrazole compounds having CB1 receptor

antagonizing activity

INVENTOR(S): Moritani, Yasunori; Imashiro, Ritsuo; Sato, Atsushi

PATENT ASSIGNEE(S): Tanabe Seiyaku Co., Ltd., Japan

SOURCE: PCT Int. Appl., 151pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA'	PATENT NO.					KIND DATE				APPL:	ICAT		DATE				
WO	2007	 0465	 50		A1 20070426				WO 2	006-	 JР32	 1446		2	 0061	020	
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		KR,	KΖ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,
		MW,	MX,	MY,	MΖ,	NA,	NG,	NΙ,	NO,	NΖ,	OM,	PG,	PH,	PL,	PT,	RO,	RS,
		RU,	SC,	SD,	SE,	SG,	SK,	SL,	SM,	SV,	SY,	ΤJ,	TM,	TN,	TR,	TT,	TZ,
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		CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	ΤG,	BW,	GH,
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JP	2008	0246	93		Α		2008	0207		JP 2	006-	2856	8 0		2	0061	020
EP	1951	678			A1		2008	0806	EP 2006-822415						20061020		
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		IS,	ΙΤ,	LI,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	AL,
		BA,	HR,	MK,	RS												
US	2009	0048	256		A1		2009	0219		US 2	-800	8361	0		2	0080	415
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										US 2	005-	7292	05P		P 2	0051	024
										JP 2	006-	1694	79		A 2	0060	620
									US 2006-806075P						P 2	0060	628
										WO 2	006-	JP32	1446	1	W 2	0061	020
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II

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): CASREACT 146:462252; MARPAT 146:462252 GI

AΒ Title compds. I [R1 and R2 independently = (un)substituted aryl or heteroaryl; R3 = H, (un)substituted alkyl, aminosulfonyl, etc.; R3 and R1 may join together with the adjacent O and a pyrazole ring to form a (un) substituted heterotricyclyl ring; E = substituted 5-membered heterocyclyl containing 3 heteroatoms selected from N or O atoms, or -A-C(0)-Z-R4, wherein A = single bond, alkylene, NH, etc.; Z = single bond, O or alkylene; R4 = cycloalkyl, (un)substituted aryl, (un)saturated heterocyclyl, etc.], and their pharmaceutically acceptable salts having CB1 receptor antagonizing activity, are prepared and disclosed. Thus, e.g., II was prepared via amidation of 3-carboxy-1-(2,4-dichlorophenyl)-5-(4chlorophenyl)-4-methoxy-1H-pyrazole (preparation given) with 4-(trifluoromethyl)benzenamine. Select compds. were tested in CB1 receptor binding assay, e.g., II exhibited IC50 value ranging from 10 to 100 nM.

II

ΙT 935258-60-9P

RN

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(preparation of pyrazole compds. having CB1 receptor antagonizing activity) 935258-60-9 CAPLUS

CN Pyrimidine, 2-[3-[5-[1-(2-chloropheny1)-5-(4-chloropheny1)-4-methoxy-1H-

pyrazol-3-yl]-1H-1,2,4-triazol-3-yl]-1-pyrrolidinyl]-4-(trifluoromethyl)-(CA INDEX NAME)

OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

REFERENCE COUNT: THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS 8

# RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:900970 CAPLUS

DOCUMENT NUMBER: 141:366621

TITLE: Bis (N-oxyltetramethylpiperidylimide) polymerization

> inhibitors, polymerization inhibition of (meth)acrylic acid esters, and (meth)acrylic acid ester compositions

INVENTOR(S): Ishii, Yasutaka; Tamura, Kimio PATENT ASSIGNEE(S): Mitsubishi Rayon Co., Ltd., Japan SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
JP 2004300031	A	20041028	JP 2003-91622	20030328		
PRIORITY APPLN. INFO.:			JP 2003-91622	20030328		
OTHER SOURCE(S):	MARPAT	141:366621				

0

GΙ

The inhibitors are I (A = aliphatic, aromatic, or alicyclic tetravalent carboxylic acid residue). The compns. contain 100 parts (meth)acrylic acid esters and 0.0001-5 parts I. Thus, pyromellitic dianhydride was amidated with 2,2,6,6,-tetramethyl-4-aminopiperidine, cyclized, and oxidized with m-chloroperbenzoic acid to give II. 2-Ethylhexyl methacrylate was polymerized in the presence of 300 ppm II by heating at 120° for 524 h, vs. 50 h in the presence of p-methoxyphenol.

IT 780774-14-3

RL: CAT (Catalyst use); USES (Uses)
 (bis(N-oxyltetramethylpiperidylimide)polymerization inhibitors for
 (meth)acrylic acid esters)

RN 780774-14-3 CAPLUS

CN 1-Piperidinyloxy, 4,4'-(2,2',5,5'-tetraoxo[3,3'-bipyrrolidine]-1,1'-diyl)bis[2,2,6,6-tetramethyl- (9CI) (CA INDEX NAME)

L24 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN ACCESSION NUMBER: 2002:814851 CAPLUS

DOCUMENT NUMBER: 137:310930
TITLE: Preparation of

3-(azahetero)aryl-1H-pyrazolo[3,4-d]pyrimidin-3-amines

as protein kinase inhibitors with antiangiogenic

properties

INVENTOR(S): Hirst, Gavin C.; Rafferty, Paul; Ritter, Kurt;

Calderwood, David; Wishart, Neil; Arnold, Lee D.;

Friedman, Michael M.

PATENT ASSIGNEE(S): Abbott Laboratories, USA

SOURCE: U.S. Pat. Appl. Publ., 426 pp., Cont.-in-part of U.S.

Ser. No. 663,780.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

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							FR,											
							CM,											
AU	2002	3160	30		A1	A1 20021021 AU 2002-316030					30		2	0020	322			
EP	1385	524			A1		2004	0204		EP 2	002-	7463	01		2	0020	322	
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,	
		ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR							
CN	1520	298			А		2004	0811		CN 2	002-	8102	50		2	0020	322	
JP	2004	5315	13		T		2004	1014		JP 2	002-	5789	65		2	0020	322	
BR	2002	0058	89		Α		2004	1109		BR 2	002-	5889			2	0020	322	
ZA	2003	0068	86		A		2004	0716		ZA 2	003-	6886			2	0030	903	
	2003																	
MX	2003	0085	61		A		2004	0630		MX 2	003-	8561			2	0030	922	
IN	2003	0 0 MM	935		A		2005	0429		IN 2	003-	MN93	5		2	0031	003	
BG	1082	69			A		2004	1230		BG 2	003-	1082	69		2	0031	014	
PRIORIT	Y APP	LN.	INFO	.:						US 1	999-	1546	20P		P 1	9990	917	
										US 2	000-	6637	80		A2 2	0000	915	
											001-					0010	322	
										WO 2002-US9104					W 2	0020	322	

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 137:310930

GI

GΙ

 $N(R^3)_2$ 

G

 $R^2$ 

Ι

AB Title compds. I [wherein G = (un)substituted 5-6 membered (azahetero)aryl; R2 = H or (un)substituted trityl, cycloalkenyl, azaheteroaryl, or C6H4-4-CH2E; E = (un)substituted alkyl-OR, alkyl-CO2R, alkylheteroaryl, alkylheterocycloalkyl, or alkyl-NR2; R = independently H or (un)substituted (cyclo)alkyl, or aryl(alkyl); R3 = independently H, OH, or (un)substituted alkyl, alkyl-CO, (hetero)aryl-CO, or alkoxy; or racemic diastereomeric mixts., optical isomers, pharmaceutically acceptable salts, prodrugs, and/or biol. active metabolites thereof] were prepared For example, 3-iodo-1H-pyrazolo[3,4-d]pyrimidin-4-amine was coupled with 4-fluorobenzaldehyde in the presence of NaH in DMF to give

4-(4-amino-3-iodo-1H-pyrazolo[3,4-d]pyrimidin-1-yl)benzaldehyde. Treatment of the 3-iodopyrazolopyrimidine with N-[2-methoxy-4-(4,4,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-methoxy-4-(4,4,5,5,5,-tetramethyl-1,4,5,5,-tetramethyl-1,4,5,5,-tetramethyl-1,4,5,5,-tetramethyl-1,4,5,5,-tetramethyl-1,4,5,-tetramefluoro-4-(trifluoromethyl)benzamide, Pd(PPh3)4, and Na2CO3 in H2O afforded the N-[4-(pyrazolopyrimidin-3-yl)phenyl]benzamide. Addition of morpholine to the benzaldehyde in the presence of Na(AcO)3BH in dichloroethane produced II. All exemplified compds. significantly inhibited either FGFR, PDGFR, KDR, Tie-2, Lck, Fyn, Blk, Lyn, or Src at concentration of  $\leq$  50  $\mu$ M. Certain compds. of the invention also significantly inhibited cdc2 or cellular VEGF-induced KDR tyrosine kinase phosphorylation at concns. of  $\leq$  50  $\mu$ M. Thus, I are useful for the treatment of a wide variety of disease states ameliorated by the inhibition of protein tyrosine kinase activity essential for angiogenic processes (no data). [This abstract record is one of 2 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 330789-15-6P, 1-[1-(1-Methyl-4-piperidyl)tetrahydro-1H-pyrrol-3yl]-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine trimaleate
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(protein kinase inhibitor; preparation of [(hetero)aryl]pyrazolo[3,4-d]pyrimidinamines as protein kinase inhibitors with antiangiogenic properties)

RN 330789-15-6 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, 1-[1-(1-methyl-4-piperidinyl)-3-pyrrolidinyl]-3-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3) (CA INDEX NAME)

CM 1

CRN 330789-14-5 CMF C27 H31 N7 O

CM 2

CRN 110-16-7 CMF C4 H4 O4

Double bond geometry as shown.

THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD OS.CITING REF COUNT: 5

(11 CITINGS)

REFERENCE COUNT: 115 THERE ARE 115 CITED REFERENCES AVAILABLE FOR

THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L24 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

2002:793426 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 137:310925 TITLE: Preparation of

3-(azahetero)aryl-1H-pyrazolo[3,4-d]pyrimidin-3-amines

as protein kinase inhibitors with antiangiogenic

properties

Hirst, Gavin C.; Rafferty, Paul; Ritter, Kurt; INVENTOR(S):

Calderwood, David; Wishart, Neil; Arnold, Lee D.;

Friedman, Michael M.

PATENT ASSIGNEE(S): Abbott G.m.b.H. & Co. K.-G., Germany

SOURCE: PCT Int. Appl., 867 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT		KIND DATE			APPLICATION NO.						DATE					
WO 200	20809	 26		A1	_	2002	1017		 WO 2	2002-	 US91	04		2	0020	322
W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FΙ,	GB,	GD,	GE,	GH,
	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MΖ,	NO,	NZ,	OM,	PH,
	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ΤJ,	TM,	TN,	TR,	TT,	TZ,
	UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZM,	ZW							
RW	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑT,	BE,	CH,
	CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	ΙΤ,	LU,	MC,	NL,	PT,	SE,	TR,
	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	ΤG
US 200					2002	1024	US 2001-815310						2	0010	322	
US 692	1763			В2		2005	0726									
CA 244																
AU 200	23160	30		A1		2002	1021		AU 2	2002-	3160	30		2	0020	322
EP 138	5524			A1		2004	0204		EP 2	2002-	7463	01		2	0020	322
R:	ΑT,	,	,	•	,	,	,	,	,	,	LI,	LU,	NL,	SE,	MC,	PT,
						RO,										
JP 200										2002-						
BR 200										2002-				_	0020	
NO 200															0030	
MX 200															0030	
IN 200				А		2005	0429			2003-					0031	
ORITY AP	PLN.	INFO	.:							2001-					0010	
										.999-	-	-			9990	
										2000-					0000	
	IT CTO									2002-			,	-	0020	322

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 137:310925

GΙ

GI

N(R<sup>3</sup>)<sub>2</sub>

G

 $R^2$ 

Ι

AB Title compds. I [wherein G = (un)substituted 5-6 membered (azahetero)aryl; R2 = H or (un)substituted trityl, cycloalkenyl, azaheteroaryl, or C6H4-4-CH2E; E = (un)substituted alkyl-OR, alkyl-CO2R, alkylheteroaryl, alkylheterocycloalkyl, or alkyl-NR2; R = independently H or (un)substituted (cyclo)alkyl, or aryl(alkyl); R3 = independently H, OH, or (un)substituted alkyl, alkyl-CO, (hetero)aryl-CO, or alkoxy; or racemic diastereomeric mixts., optical isomers, pharmaceutically acceptable salts, prodrugs, and/or biol. active metabolites thereof] were prepared For example, 3-iodo-1H-pyrazolo[3,4-d]pyrimidin-4-amine was coupled with 4-fluorobenzaldehyde in the presence of NaH in DMF to give 4-(4-amino-3-iodo-1H-pyrazolo[3,4-d]pyrimidin-1-yl)benzaldehyde. Treatment of the 3-iodopyrazolopyrimidine with

N-[2-methoxy-4-(4,4,5,5,-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-2-fluoro-4-(trifluoromethyl)benzamide, Pd(PPh3)4, and Na2CO3 in H2O afforded the N-[4-(pyrazolopyrimidin-3-yl)phenyl]benzamide. Addition of morpholine to the benzaldehyde in the presence of Na(AcO)3BH in dichloroethane produced II. All exemplified compds. significantly inhibited either FGFR, PDGFR, KDR, Tie-2, Lck, Fyn, Blk, Lyn, or Src at concentration of  $\leq$  50  $\mu\text{M}$ . Certain compds. of the invention also significantly inhibited cdc2 or cellular VEGF-induced KDR tyrosine kinase phosphorylation at concns. of  $\leq$  50  $\mu\text{M}$ . Thus, I are useful for the treatment of a wide variety of disease states ameliorated by the inhibition of protein tyrosine kinase activity essential for angiogenic processes (no data).

330789-15-6P, 1-[1-(1-Methyl-4-piperidyl)tetrahydro-1H-pyrrol-3-yl]-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine trimaleate RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(protein kinase inhibitor; preparation of [(hetero)aryl]pyrazolo[3,4-d]pyrimidinamines as protein kinase inhibitors with antiangiogenic properties)

RN 330789-15-6 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, 1-[1-(1-methyl-4-piperidinyl)-3-pyrrolidinyl]-3-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3) (CA INDEX NAME)

CM 1

CRN 330789-14-5 CMF C27 H31 N7 O

CM 2

CRN 110-16-7 CMF C4 H4 O4

Double bond geometry as shown.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2001:208278 CAPLUS

DOCUMENT NUMBER: 134:252353

TITLE: Preparation of pyrazolopyrimidines as protein kinase

inhibitors

INVENTOR(S): Hirst, Gavin C.; Calderwood, David; Wishart, Neil;

Rafferty, Paul; Ritter, Kurt; Arnold, Lee D.;

Friedman, Michael M.

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 527 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PA:	PATENT NO.					KIND DATE			APPLICATION NO.							DATE			
WO	2001	0198	29		A2 20010322			WO 2000-US25468							0000	915			
WO	2001	0198.	29		А3		2001	0927											
	W:						ΑU,												
							DM,												
							JP,												
							MK,												
					SI,	SK,	SL,	ΤJ,	TM,	TF	₹, 1	ГΤ,	TZ,	UA,	UG,	US,	UΖ,	VN,	
			ZA,																
	RW:						MZ,												
							GB,										BF,	ВJ,	
							GN,												
CA	2385	747			A1		CA	200	00-2	2385	747		2	0000	915				
							20010417 AU 2000-74950							20000915					
	7800						2005												
EP	1212	327			A2		2002	0612		ΕP	200	00-9	9635	54		2	0000	915	
EP	1212								GB, GR, IT, LI, LU, NI										
	R:											ΙΤ,	LI,	LU,	NL,	SE,	MC,	PT,	
		IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	ΑI	_								
BR	2000	0140	73		A		2002	0716		BR	200	00-1	14073	3		2	0000	915	
JP	2003	5094.	28		T		2003	0311	JP 2001-523406						20000915				
ΑT	2476	57			${ m T}$		2003	0915	BR 2000-14073 JP 2001-523406 AT 2000-963554 PT 2000-963554 ES 2000-963554 NZ 2000-517758						20000915				
PΤ	1212	327			E		2004	0130		PΤ	200	00-9	9635	54		2	0000	915	
ES	2207	552			Т3		2004	0601		ES	200	00-9	635	54		2	0000	915	
NΖ	5177	58			A		2004	0625		NΖ	200	00-5	5177	58		2	0000	915	
T AA	2307	09			D		2005	0411		T M	200	J U - 0	39113	9004			0000	910	
	2002						2008										0020		
	2002						2003										0020		
	2002						2003										0020		
	2002				A		2002							0.6			0020		
	1065						2003			BG	200	J2-1	1065	86		20020405			
	1050				A1		2004	1015	HK 2002-108955 US 1999-154620P						20021210				
JRIT:	RITY APPLN. INFO.:							US	199	99-1	15462	20P		P 1					
ED COUDCE (C).					1175		WO	200	JU-U	JS25	468		w 2	0000	915				

OTHER SOURCE(S): MARPAT 134:252353

GΙ

GΙ

AB The title compds. [I; G = substituted Ph; R2 = BE; B = (un)substituted cycloalkyl, azacycloalkyl, etc.; E = (un)substituted azacycloalkyl, azacycloalkylcarbonyl, etc.; R3 = H, OH, alkyl, alkoxy] which inhibit one or more protein kinase (such as FGFR, PDGFR, KDR, Tie-2, Lck, Fyn, Blk, Lyn, Src, and cdc2) activity, were prepared and formulated. E.g., a multi-step synthesis of I [G = 4-phenoxyphenyl; R2 = 1-benzyl-4-piperidinyl; R3 = H] was described. Biol. data for compds. I were given.

IT 330789-14-5P 330789-15-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrazolopyrimidines as protein kinase inhibitors)

RN 330789-14-5 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, 1-[1-(1-methyl-4-piperidinyl)-3-pyrrolidinyl]-3-(4-phenoxyphenyl)- (CA INDEX NAME)

RN 330789-15-6 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, 1-[1-(1-methyl-4-piperidinyl)-3-pyrrolidinyl]-3-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3) (CA INDEX NAME) CM 1

CRN 330789-14-5 CMF C27 H31 N7 O

CM 2

CRN 110-16-7 CMF C4 H4 O4

Double bond geometry as shown.

OS.CITING REF COUNT: 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS

RECORD (38 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1994:457512 CAPLUS

DOCUMENT NUMBER: 121:57512

ORIGINAL REFERENCE NO.: 121:10376h,10377a TITLE: Preparation of

7-substituted-6-fluoro-1,4-dihydro-4-oxo-quinoline-3-

carboxylic acid compounds and related compounds as

antibacterial agents

INVENTOR(S): Singh, Rajeshwar; Fathi-Afshar, Rakhshandeh; Singh,

Inder Pal; Thomas, George; Doerksen, Thomas Roger;

Singh, Maya Prakash; Micetich, Ronald George

PATENT ASSIGNEE(S): Symphar Laboratories, Inc., Can.

SOURCE: PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
WO 9324481	A1	19931209	WO 1993-CA231	19930531			
W: AT, AU, BB,	BG, BR	, BY, CA, CH	H, CZ, DE, DK, ES, FI,	GB, HU, JP,			

KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, VN RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG US 5342846 Α 19940830 US 1992-913505 19920714 AU 9343029 Α 19931230 AU 1993-43029 19930531 JP 08501063 Τ 19960206 JP 1994-500050 19930531 JP 3396781 В2 20030414 PRIORITY APPLN. INFO.: US 1992-891262 Α 19920601 US 1992-913505 Α 19920714 US 1990-621716 B2 19901205 WO 1993-CA231 Α 19930531

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 121:57512
GI

$$\mathbb{R}^3$$
  $\mathbb{C}^{(CH_2)}$   $\mathbb{R}^2$   $\mathbb{C}^{(CH_2)}$   $\mathbb{R}^2$   $\mathbb{C}^{(CH_2)}$   $\mathbb{R}^3$   $\mathbb{R}^4$   $\mathbb{C}^{(CH_2)}$   $\mathbb{R}^3$   $\mathbb{R}^4$   $\mathbb{C}^{(CH_2)}$   $\mathbb{R}^3$ 

GΙ

RN

$$R^3$$
 (CH<sub>2</sub>)<sub>m</sub>  $N$   $X$   $N$   $R^1$ 

AB Title compds. I (R = H, C1-4 alkyl group; R1 (substituted) C3-C6cycloalkyl, (substituted) Ph (substituted) C1-C4 alkyl; R2 = H, halo, C1-C4 alkyl, HO, H2N; R3 = H, HO, H2N; R4 = 1,2,3-, 1,2,4-triazol-1-yl, 1,2,3,4-tetrazol-1-yl, 1,2,3,4-tetrazol-2-yl, each of which may have 1 to 2 substituents; X = N, HC, FC, MeOC; m = 1,2; n = 0-2; etc.) or a pharmaceutical salt, are prepared Et 7-chloro-1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyrdine-3carboxylate (preparation given) and cis-3-amino-4-(1,2,3-triazol-1yl)pyrrolidine (preparation given) were reacted in pyridine to give I (R = Et, R1 = cyclopropyl, R2 = H, R3 = H2N, R4 = 1,2,3-triazol-1-yl, X = N, M = N= 1) which in test for antibacterial activity showed a min. inhibitory concentration of 0.008, 0.03, 0.25, 0.25, 2  $\mu$ g/mL against Staphylococcus aureus, Escherichia coli, Enterobacter cloacae, Klebsiella pneumoniae and Pseudomonas aeruginosa, resp. 143699-73-4P 143699-74-5P 143699-75-6P ΙT RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

Ι

(preparation of, as antibacterial) 143699-73-4 CAPLUS

CN 3-Quinolinecarboxylic acid, 1-cyclopropyl-6,8-difluoro-1,4-dihydro-4-oxo-7-[3-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-pyrrolidinyl]- (CA INDEX NAME)

RN 143699-74-5 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-amino-1-cyclopropyl-6,8-difluoro-1,4-dihydro- $4-\infty$ 0-7-[3-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-pyrrolidinyl]- (CA INDEX NAME)

RN 143699-75-6 CAPLUS

CN 3-Quinolinecarboxylic acid, 1-cyclopropyl-6,8-difluoro-1,4-dihydro-5-methyl-4-oxo-7-[3-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-pyrrolidinyl]- (CA INDEX NAME)

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD

(2 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1993:212902 CAPLUS

DOCUMENT NUMBER: 118:212902

ORIGINAL REFERENCE NO.: 118:36695a,36698a TITLE: Preparation of

7-heterocyclyl-6-fluoro-1,4-dihydro-4-oxo-quinoline-3-

carboxylates and analogs as antibacterials

INVENTOR(S): Singh, Rajeshwar; Singh, Inder Pal; Thomas, George;

Singh, Maya Prakash; Micetich, Ronald George; Fahti-Afshar, Rakhshandeh; Doerksen, Thomas Roger

Synphar Laboratories, Inc., Can.

SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT ASSIGNEE(S):

PA:	PATENT NO.										LICA							
WO	9210	492			A1 199206													
	w:	AT,	AU,	BB,	BG,	BR,	CA,	CH,	CS,	DE	, DK	, ES,	FI,	GB,		JP,	KP,	
							MW,											
	RW:						CG,						ES,	FR,	GΑ,	GB,	GN,	
							MR,											
CA	2099	591			A1		1992	0606	(	CA	1991	-2099	591		1	.9911	205	
	2099																	
	9190						1992	0708	Ì	AU	1991	-9021	0		1	.9911	205	
AU	6662	96			В2		1996	0208										
ZA	9109	601			Α		1992	1028		ZA	1991	-9601			1	9911	205	
EP	5618	50			A1		1993	0929	]	EΡ	1991	-9208	90		1	9911	205	
EP	5618	50			В1		2000	0712										
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	, IT	, LI,	LU,	MC,	NL			
HU	6405	8			A2		1993	1129		HU	1993	-1648			1	9911	205	
JP	0650	7149			Т		1994	0811		JР	1991	-5002	32		1	9911		
AT	0650 1946	12			Т		2000	0715	i	ΑT	1991	-9208	90		1	9911	205	
ИО	9302	033			А		1993									9930	603	
	3054						1999											
PRIORIT		-						•	Ī	US	1990	-6217	16		A 1	9901	205	
		•										-CA43						
OTHER SO	OURCE	(S):			MARI	PAT	118:	21290				3-110	-	-				

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GI

AΒ Title compds. [I; R1 = C3-6 cycloalkyl, (substituted) Ph; R2 = H, halo, C1-4 alkyl, HO, H2N; R3 = H, HO, H2N; R4 = (substituted) triazol-1-yl or tetrazol-1-yl, etc.; X = N, HC, FC, MeOC; n = 0-2], are prepared Et 1-(4-fluorophenyl)-6,7,8-trifluoro-1,4-dihydro-4-oxoquinoline-3carboxylate, 3-(1,2,3-triazol-1-yl)pyrrolidine.HCl (preparation given) and DBU were heated at 75° for 3 h to give Et 6, 8-difluoro-1-(4-fluorophenyl)-7-[3-(1,2,3-triazol-1-yl)pyrrolin-1-yl]-1,4-dihydro-4-oxoquinoline-3-carboxylate which was heated in aqueous NaOH at  $90^{\circ}$  for 3.5 h to give I (R1 = 4-FC6H4, R2 = R3 = H, R4 = 1,2,3-triazol-1-yl, X = FC, n = 1) (II). II inhibited Staphylococcus aureus with a min. inhibitory concentration of  $\leq 0.06 \, \mu \text{g/mL}$ . ΙT 143699-73-4P 143699-74-5P 143699-75-6P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as antibacterial)

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143699-73-4 CAPLUS RN

3-Quinolinecarboxylic acid, 1-cyclopropyl-6,8-difluoro-1,4-dihydro-4-oxo-7-CN [3-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-pyrrolidinyl]- (CA INDEX NAME)

143699-74-5 CAPLUS RN

3-Quinolinecarboxylic acid, 5-amino-1-cyclopropyl-6,8-difluoro-1,4-dihydro-CN 4-0x0-7-[3-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-pyrrolidinyl]- (CA INDEX NAME)

RN 143699-75-6 CAPLUS

CN 3-Quinolinecarboxylic acid, 1-cyclopropyl-6,8-difluoro-1,4-dihydro-5-methyl-4-oxo-7-[3-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-pyrrolidinyl]- (CA INDEX NAME)

OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD

(7 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

# => logoff hold

L1

(FILE 'HOME' ENTERED AT 06:35:56 ON 19 JAN 2010)

FILE 'REGISTRY' ENTERED AT 06:36:21 ON 19 JAN 2010

2502089 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 16.136.1/RID

L2 STRUCTURE UPLOADED

L3 0 SEA FILE=REGISTRY SUB=L1 SSS SAM L2

L4 STRUCTURE UPLOADED

D

L5 50 SEA FILE=REGISTRY SUB=L1 SSS SAM L4

FILE 'CAPLUS' ENTERED AT 06:38:41 ON 19 JAN 2010

E US20070185100/PN

L6 1 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON US20070185100/PN SEL RN

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L7

146 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON (1032919-11-1/BI OR 117625-90-8/BI OR 120-47-8/BI OR 126767-63-3/BI OR 128019-59-0/BI OR 1452-63-7/BI OR 153749-89-4/BI OR 157634-00-9/BI OR 157634-02-1/BI OR 15855-06-8/BI OR 16308-17-1/BI OR 18153-53-2/BI OR 183742-23-6/BI OR 19353-92-5/BI OR 19353-97-0/BI OR 19353-99-2/BI OR 212650-43-6/BI OR 212650-45-8/BI OR 22179-77-7/BI OR 22620-29-7/BI OR 2417-72-3/BI OR 244022-63-7/BI OR 25462-85-5/BI OR 25773-00-6/BI OR 28920-43-6/BI OR 3290-99-1/BI OR 3433-37-2/BI OR 3758-59-6/BI OR 388077-74-5/BI OR 453565-59

-8/BI OR 4584-46-7/BI OR 4837-20-1/BI OR 518047-39-7/BI OR 518047-40-0/BI OR 518058-62-3/BI OR 535-80-8/BI OR 54-85-3/BI OR 553-53-7/BI OR 56601-42-4/BI OR 61832-07-3/BI OR 63503-60-6/ BI OR 661459-30-9/BI OR 701-40-6/BI OR 766-83-6/BI OR 77873-76-8/BI OR 833474-06-9/BI OR 863646-40-6/BI OR 863646-41-7/BI OR 863646-42-8/BI OR 863646-43-9/BI OR 863646-44-0/BI OR 863646-45 -1/BI OR 863646-46-2/BI OR 863646-47-3/BI OR 863646-48-4/BI OR 863646-49-5/BI OR 863646-50-8/BI OR 863646-51-9/BI OR 863646-52 -0/BI OR 863646-53-1/BI OR 863646-54-2/BI OR 863646-55-3/BI OR 863646-56-4/BI OR 863646-57-5/BI OR 863646-58-6/BI OR 863646-59 -7/BI OR 863646-60-0/BI OR 863646-61-1/BI OR 863646-62-2/BI OR 863646-63-3/BI OR 863646-64-4/BI OR 863646-65-5/BI OR 863646-66 -6/BI OR 863646-67-7/BI OR 863646-68-8/BI OR 863646-69-9/BI OR 863646-70-2/BI OR 863646-71-3/BI OR 863646-72-4/BI OR 863646-73 -5/BI OR 863646-74-6/BI OR 863646-75-7/BI OR 863646-76-8/BI OR 863646-77-9/BI OR 863646-78-0/BI OR 863646-79-1/BI OR 863646-80 -4/BI OR 863646-81-5/BI OR 863646-82-6/BI OR 863646-83-7/BI OR 863646-84-8/BI OR 863646-85-9/BI OR 863646-86-0/BI OR 863646-87 -1/BI OR 863646-88-2/BI OR 863646-89-3/BI OR 863646-90-6/BI OR 863646-91-7/BI OR 863646-92-8/BI OR 863646-93-9/BI OR 863646-94 -0/BI OR 863646-95-1/BI 13 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L7 AND 16.136.1/RID L8 D L8 1-13 L9 STRUCTURE UPLOADED L10 39 SEA FILE=REGISTRY SUB=L1 SSS SAM L9 L11 53735 SEA FILE=REGISTRY SUB=L1 SSS FUL L9 L12 STRUCTURE UPLOADED 3 SEA FILE=REGISTRY SUB=L11 SSS SAM L12 T.13 D SCAN 478 SEA FILE=REGISTRY SUB=L11 SSS FUL L12 L14472 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L14 AND CAPLUS/LC L15 L16 6 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L14 NOT L15 D L16 1-6 FILE 'CAPLUS' ENTERED AT 06:55:13 ON 19 JAN 2010 L17 20 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L15 D L17 IBIB GI ABS HITSTR 1-20 FILE 'REGISTRY' ENTERED AT 07:17:59 ON 19 JAN 2010 L18 STRUCTURE UPLOADED T.19 39 SEA FILE=REGISTRY SUB=L1 SSS SAM L18 75785 SEA FILE=REGISTRY SUB=L1 SSS FUL L18  $L_{20}$ STRUCTURE UPLOADED L21 L22 19 SEA FILE=REGISTRY SUB=L20 SSS SAM L21 318 SEA FILE=REGISTRY SUB=L20 SSS FUL L21 L23 FILE 'CAPLUS' ENTERED AT 07:19:44 ON 19 JAN 2010 9 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L23/USES L24 D L24 IBIB GI ABS HITSTR 1-9 COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 55.60 711.31 SINCE FILE DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -7.65 -24.65